

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012607.D
 Acq On : 04 Sep 2019 22:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:28 AM

Quant Time: Sep 05 07:24:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	326248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	144069	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	133381	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	103218	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
50) Toluene-d8	10.32	98	391436	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.62	95	145223	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	60776	48.226	ug/l	98
3) Chloromethane	2.21	50	92844	47.552	ug/l	98
4) Vinyl Chloride	2.36	62	102053	42.704	ug/l	97
5) Bromomethane	2.76	94	59834	49.438	ug/l	97
6) Chloroethane	2.90	64	64452	47.809	ug/l	95
7) Trichlorofluoromethane	3.25	101	64372	53.645	ug/l	99
8) Diethyl Ether	3.68	74	68044	59.740	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	109398	53.635	ug/l	97
10) Methyl Iodide	4.27	142	159035	57.626	ug/l	98
11) Tert butyl alcohol	5.18	59	47749	326.111	ug/l	98
12) 1,1-Dichloroethene	4.04	96	107244	52.239	ug/l	96
13) Acrolein	3.89	56	43125	312.890	ug/l	97
14) Allyl chloride	4.67	41	240489	54.795	ug/l	97
15) Acrylonitrile	5.37	53	180283	319.336	ug/l	99
16) Acetone	4.12	43	171103	275.112	ug/l	99
17) Carbon Disulfide	4.38	76	291728	47.019	ug/l	99
18) Methyl Acetate	4.67	43	104539	67.863	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	220577	66.440	ug/l	99
20) Methylene Chloride	4.91	84	136696	58.139	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	122573	55.677	ug/l	100
22) Diisopropyl ether	6.31	45	491490	60.415	ug/l	98
23) Vinyl Acetate	6.25	43	1520600	303.721	ug/l	99
24) 1,1-Dichloroethane	6.21	63	263064	59.389	ug/l	99
25) 2-Butanone	7.17	43	256358	303.331	ug/l	98
26) 2,2-Dichloropropane	7.16	77	138027	55.053	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	141487	60.154	ug/l	99
28) Bromochloromethane	7.51	49	102746	53.220	ug/l	95
29) Tetrahydrofuran	7.52	42	164082	323.601	ug/l	99
30) Chloroform	7.67	83	253546	62.565	ug/l	99
31) Cyclohexane	7.95	56	204049	46.561	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	195055	60.843	ug/l	100
36) 1,1-Dichloropropene	8.08	75	186260	55.247	ug/l	100
37) Ethyl Acetate	7.25	43	115578	62.560	ug/l	99
38) Carbon Tetrachloride	8.07	117	174431	59.777	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	197635	52.181	ug/l	99
40) Benzene	8.32	78	538415	58.486	ug/l	99
41) Methacrylonitrile	7.48	41	71575	65.918	ug/l	97
42) 1,2-Dichloroethane	8.40	62	191833	66.489	ug/l	99
43) Isopropyl Acetate	8.42	43	213270	62.321	ug/l	99
44) Trichloroethene	9.09	130	133693	59.740	ug/l	94
45) 1,2-Dichloropropane	9.37	63	147311	59.458	ug/l	98
46) Dibromomethane	9.46	93	71213	64.601	ug/l	98
47) Bromodichloromethane	9.64	83	187058	63.760	ug/l	97
48) Methyl methacrylate	9.43	41	106374	65.310	ug/l	94
49) 1,4-Dioxane	9.45	88	22701	1345.196	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	563117	323.521	ug/l	100
52) Toluene	10.38	92	328072	59.322	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	190333	63.690	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	221852	61.482	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	100325	64.325	ug/l	99
56) Ethyl methacrylate	10.65	69	149177	65.718	ug/l	100
57) 1,3-Dichloropropane	10.93	76	190330	64.576	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	339142	291.110	ug/l	100
59) 2-Hexanone	10.97	43	383785	311.621	ug/l	100
60) Dibromochloromethane	11.13	129	115151	66.285	ug/l	99
61) 1,2-Dibromoethane	11.23	107	94362	64.942	ug/l	99
64) Tetrachloroethene	10.86	164	119254	62.666	ug/l	97
65) Chlorobenzene	11.66	112	343356	59.407	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	128647	63.803	ug/l	99
67) Ethyl Benzene	11.73	91	653034	58.654	ug/l	99
68) m/p-Xylenes	11.84	106	466990	116.443	ug/l	99
69) o-Xylene	12.16	106	220452	59.392	ug/l	99
70) Styrene	12.18	104	390903	60.843	ug/l	99
71) Bromoform	12.35	173	67071	66.765	ug/l #	99
73) Isopropylbenzene	12.46	105	614971	56.967	ug/l	99
74) N-amyl acetate	12.27	43	193404	59.298	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	116608	58.920	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	80225m	57.176	ug/l	
77) Bromobenzene	12.74	156	140352	60.096	ug/l	97
78) n-propylbenzene	12.80	91	744583	56.498	ug/l	99
79) 2-Chlorotoluene	12.89	91	435876	58.255	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	529456	58.695	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37458	58.532	ug/l	98
82) 4-Chlorotoluene	12.99	91	456783	58.305	ug/l	100
83) tert-Butylbenzene	13.21	119	454870	59.529	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	530020	58.492	ug/l	100
85) sec-Butylbenzene	13.38	105	622539	56.867	ug/l	99
86) p-Isopropyltoluene	13.50	119	566987	57.995	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	271257	59.381	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	265899	58.623	ug/l	100
89) n-Butylbenzene	13.82	91	547777	56.343	ug/l	99
90) Hexachloroethane	14.09	117	101407	59.120	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	244355	60.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21624	64.812	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	171107	61.786	ug/l	99
94) Hexachlorobutadiene	15.24	225	112686	61.625	ug/l	98
95) Naphthalene	15.36	128	315496	57.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	151647	62.763	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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